

AMENDMENTS TO THE CLAIMS

1. (currently amended) A method of cooling a stack formed by stacking a plurality of unit power generation cells, said unit power generation cells each including an electrolyte electrode assembly and a first separator and a second separator sandwiching said electrolyte electrode assembly, said electrolyte electrode assembly including an anode electrode, a cathode electrode, and a solid polymer electrolyte interposed between said anode electrode and said cathode electrode, the method comprising the steps of:

cooling said stack by immersing said stack in an electrically insulating liquid coolant inside a stack container case, wherein a plurality of protrusions protruding toward said stack are provided on an inner surface of said stack container case such that front ends of said plurality of protrusions surround said stack, and said protrusions are exposed from a surface of the liquid coolant, wherein the liquid coolant is boiled into vapor in the nucleate boiling state; and

condensing, by a condenser, the liquid coolant which has been vaporized at said stack container case by cooling said stack, and returning the condensed liquid coolant to said stack container case.

2. (canceled)

3. (currently amended) A method according to claim [[2]] 1, wherein a liquid having a boiling temperature lower than an operating temperature of said stack by 10°C to 25°C is used as the liquid coolant.

4. (currently amended) A method according to claim [[2]] 1, wherein a lower alcohol or a solvent of fluorine compound is used as the liquid coolant.

5. (previously presented) A method according to claim 1, wherein the liquid coolant is supplied into said stack.

6-12. (canceled)